

WHAT IS CLAIMED IS:

1. A system, comprising:

a source of multimedia data; and

a displayer of multimedia data mounted in a room in which the source is disposed,

the source wirelessly transmitting the multimedia data in an uncompressed form to the

displayer on a primary link at approximately sixty GigaHertz (60GHz).
2. The system of Claim 1, wherein the displayer is a projector.
3. The system of Claim 1, wherein the primary link has a data rate of at least two
Giga bits per second (2.0 Gbps) and the primary link has a bandwidth of approximately 2.5GHz.
4. The system of Claim 1, wherein the primary link is a full duplex link.
5. The system of Claim 1, wherein at least one of: encryption keys, displayer control
signals, and capability signals, are multiplexed with the multimedia data on the primary link.
6. The system of Claim 1, wherein the displayer and source further communicate at
least one of: encryption keys, displayer control signals, and capability signals, on a secondary
link having a data rate lower than the data rate of the primary link.

7. The system of Claim 1, wherein control signals are sent between the source and displayer, at least some control signals being useful for establishing at least one of: a source transmission power level, and a source antenna beam control.

8. The system of Claim 1, wherein the data is high definition (HD) multimedia data.

9. A method for transmitting multimedia data, comprising:
disposing a multimedia transmitter and a multimedia receiver in a room;
establishing a wireless link between the transmitter and receiver; and
wirelessly transmitting a multimedia signal on the link from the transmitter to the receiver at a frequency sufficiently high that the signal substantially cannot be received outside the room.

10. The method of Claim 9, wherein the multimedia signal carries uncompressed high definition multimedia data.

11. The method of Claim 9, wherein the frequency is approximately sixty GigaHertz (60GHz).

12. The method of Claim 11, wherein the link has a data rate of at least two Giga bits per second (2.0 Gbps).

13. The method of Claim 9, wherein the link is a full duplex link.

14. The method of Claim 9, wherein at least one of: encryption keys, player control signals, and capability signals, are multiplexed with multimedia data on the link.

15. The method of Claim 9, at least one of: encryption keys, player control signals, and capability signals, are communicated between the transmitter and receiver on a secondary link.

16. The method of Claim 9, wherein control signals are sent between the transmitter and receiver, at least some control signals being useful for establishing at least one of: a transmission power level, and a transmitter antenna beam control.

17. A computer comprising:
means for storing multimedia data; and
means for wirelessly transmitting, to a receiver, the multimedia data in uncompressed form at a frequency of approximately sixty GigaHertz (60GHz) such that

unless the receiver is in the same room as the computer it substantially cannot receive the multimedia data.

18. The computer of Claim 17, wherein the multimedia data is transmitted from the computer to the receiver on a primary link.

19. The computer of Claim 18, wherein the primary link is a full duplex link.

20. The computer of Claim 18, wherein at least one of: encryption keys, player control signals, and capability signals, are multiplexed with the multimedia data on the primary link.

21. The computer of Claim 18, wherein the computer and receiver further communicate at least one of: encryption keys, player control signals, and capability signals, on a secondary link having a data rate lower than the data rate of the primary link.

22. The computer of Claim 17, wherein control signals are sent between the computer and receiver, at least some control signals being useful for establishing at least one of: a multimedia player transmission power level, a multimedia player antenna beam control.

23. The multimedia player of Claim 17, wherein the multimedia data is high

definition (HD) multimedia data.

24. A multimedia player comprising:
- means for storing multimedia data; and
- means for wirelessly receiving, from a transmitter, the multimedia data in uncompressed form at a frequency of approximately sixty GigaHertz (60GHz), and a data rate of approximately two and a two tenths Giga bits per second (2.2 Gbps), such that unless the transmitter is in the same room as the multimedia player the multimedia player substantially cannot receive the multimedia data.
25. The multimedia player of Claim 24, wherein the multimedia data is transmitted to the multimedia player on a primary link.
26. The multimedia player of Claim 25, wherein the primary link is a full duplex link.
27. The multimedia player of Claim 25, wherein at least one of: encryption keys, player control signals, and capability signals, are multiplexed with the multimedia data on the primary link.
28. The multimedia player of Claim 15, wherein the multimedia player and

transmitter further communicate at least one of: encryption keys, player control signals, and capability signals, on a secondary link having a data rate lower than the data rate of the primary link.

29. The multimedia player of Claim 24, wherein control signals are sent between the multimedia player and transmitter, at least some control signals being useful for establishing at least one of: a transmission power level, and an antenna beam control.

30. The multimedia player of Claim 24, wherein the multimedia data is high definition (HD) multimedia data.

31. A system, comprising:
a source of multimedia data; and
a display for the multimedia data, the source wirelessly transmitting the multimedia data in an uncompressed form to the display on a primary link at approximately sixty GigaHertz (60GHz).

32. The system of Claim 31, wherein the source of multimedia data is a set-top box like device capable of decoding compressed multimedia content as received from at least one of: satellite, cable, terrestrial broadcast, internet streaming.

33. The system of Claim 31, wherein the display is selected from the group consisting of cathode ray tubes (CRT), liquid crystal displays (LCD), plasma display panels (PDP), and TFTs.

34. The system of Claim 31, wherein the primary link has a data rate of approximately two and a half gigabytes per second (2.5 Gbps).

35. The system of Claim 31, wherein the primary link is a full duplex link.

36. The system of Claim 31, wherein at least one of: encryption keys, player control signals, and capability signals, are multiplexed with the multimedia data on the primary link.

37. The system of Claim 31, wherein the player and source further communicate at least one of: encryption keys, player control signals, and capability signals, on a secondary link having a data rate lower than the data rate of the primary link.

38. The system of Claim 31, wherein control signals are sent between the source and player, at least some control signals being useful for establishing at least one of: a source transmission power level, and a source antenna beam control.

39. The system of Claim 31, wherein the data is high definition (HD) multimedia data.